

RGB Screens



Outdoor full colour specifications

last update: 17-Aug-2010

Model	ST211-10	ST211-12.5	ST211-16	ST211-20	ST211-25	ST211-31
Pitch	10mm	12.5mm	16mm	20mm	25mm	31.25mm
Module Size (mm)	800 x 800	800x800	1024 x 768	640 x 640	800 x 800	1000 x 500
Pixels per module	80 x 80 = 6400	64 x 64 = 4096	64 x 48 = 3072	32 x 32 = 1024	32 x 32 = 1024	32 x 16 = 512
Dots per m2	10000	6944	3906	2500	1600	1040
Configuration	3 in 1 SMD	1R/1G/1B	1R/1G/1B or 2R/1G/1B	1R/1G/1B or 2R/1G/1B	1R/1G/1B or 2R/1G/1B	2R/1G/1B
Colour Grades	16.77 million					
Brightness per sq.m (NITS)	5000	6000	6000	5000	6000	5000
Total LED life (hours)	100000					
Visable Angle (degrees)	120° H / 120° V	120° H / 120° V	120° H / 40° V	120° H / 40° V	120° H / 40° V	120° H / 40° V
Minimum Viewing distance (m)	8	10	14	17	21	26
Video Quality	Top	Top	Top	Excellent	Excellent	Very Good
Video Input	Pal, Secam, NTSC, VGA					
Refresh Rate	60 frames per second					
Operating Temperatures (Celcius)	-25° to +85°					
Max. power consumption per module	640w	640w	400w	400w	400w	320w
Weight per module	30 - 35kg	30 - 35kg	30 - 34kg	28 - 32kg	30 - 35kg	28 - 32kg
Cabinet Material	Aluminium					

Remarks

Modules must be assembled together and fixed on a steel frame to constitute a screen

Minimum viewing distance means the distance from where the screen looks dot free, and maximum is the distance from where the screen light could still be seen during the day.

Brightness adjustment is done by automatic sensor

Modules constitute the screens "body". The "brain" is called "controller" and consists of a special PC

Communication is done by data or fibre optic cable, or remotely via high speed internet

Metric conversion: 25mm = 1", 1m = 1.1 yards, 1kg = 2.2 lbs, 0°C = 32°F